

TO: Emiel Charles Michel, President of the European Council  
Ursula von der Leyen, President of the European Commission  
David Sassoli, Head of the European Parliament  
António Guterres, UN Secretary General  
Patricia Espinosa Cantellano, Executive Secretary UNFCCC

Dear .....

## **There is no climate emergency**

**We, the undersigned 400(?) independent Climate Scientists and Professionals from 15(?) countries, wish to convey five urgent messages to you:**

- 1. Climate change is a fact. The geological archive reveals that Earth's climate has varied as long as the planet has existed, with natural cold and warm phases. With the Little Ice Age ending around 1850 AD, it is no surprise that we now are experiencing a period of warming. This is to be expected from the cyclic behavior of the climate system.**
- 2. There is no proof that anthropogenic carbon dioxide (CO<sub>2</sub>) emissions are the major cause of global warming. There is also no scientific evidence that anthropogenic CO<sub>2</sub> emissions have a detrimental effect on the quality of life. On the contrary, we do know that CO<sub>2</sub> is the basis of life on Earth (photosynthesis) and more CO<sub>2</sub> is beneficial for nature (greening the Earth) and agriculture (increasing crop yields).**
- 3. Climate policy is heavily based on computer models. Unfortunately, these climate models have many shortcomings and are not remotely plausible as policy tools. Moreover, they substantially overestimate the recent temperature increase, most likely because they are oversensitive to greenhouse gases such as CO<sub>2</sub>.**
- 4. There is also no scientific evidence that higher CO<sub>2</sub> levels are intensifying natural disasters like hurricanes, floods and droughts, or making them more frequent. On the other hand, there are many indications that most CO<sub>2</sub>-mitigation measures in use today have a devastating effect on wildlife (e.g. by wind turbines) and land use (e.g. forest clearance).**
- 5. Energy policy must be based on scientific and economic realities. We strongly oppose the harmful and unrealistic "net zero" policy proposed for 2050. There is no climate emergency and therefore no cause for panic and alarm. If better approaches emerge, we will have ample time to reflect and adapt. Our aim should always be to provide reliable and affordable energy at all times.**

**Our advice to political leaders is that science should aim at a significantly better understanding of the climate system, while politics should focus on minimizing potential climate damage by giving priority to adaptation strategies based on new technologies.**

## **The undersigned:**

### **Scientists and Professionals from Belgium**

1. Eric Blondeel, retired Civil Engineer.
2. Emiel van Broekhoven, Emeritus Professor of Economics, University of Antwerp
3. Christian Dierick, Lead Expert, Energy Technology Solutions
4. Ferdinand Engelbeen, Former chemical process automation engineer, Akzo Nobel Chemicals
5. Samuel Furfari, Professor of Energy Geopolitics at the Free University of Brussels
6. Jan Jacobs, Science Journalist Specializing in Climate and Energy Transition
7. Raymond Koch, Retired Research director at Lab. Plasma Physics, RMA Brussels and Fellow Lecturer at UMons.
8. Rob Lemeire, Publicist on Environmental and Climate Issues
9. Henri A. Masson, Emeritus Professor Dynamic System Analysis and Data Mining, University of Antwerp
10. Ferdinand Meeus, Research Scientist, IPCC expert Reviewer AR6
11. Jean Meeus, retired meteorologist, Brussels Airport, Author of the Best Seller *Astronomical Algorithms*
12. Ernest Mund, Honorary Research Director, FNRS, Nuclear Engineering
13. Bart Ooghe, Geologist & Geophysicist, Independent Scientist
14. Jozef Verhulst, Author
15. Jean van Vliet,
16. Appo van der Wiel, Senior Development Engineer

### **Scientists and professionals from Czech Republic**

1. Václav Klaus, Former President of the Czech Republic, Professor of Economics, Founder of the Václav Klaus Institute

### **Scientists and Professionals from France**

1. Jean-Pierre Bardinet, Ingénieur ENSEM, publicist on climate issues
2. Francois Gervais, Emeritus Professor of Physics and Material Sciences, University of Tours
3. Pierre Darriulat, Professor of Physics, Member of the French Academy of Sciences
4. Marc Le Menn, Head of Metrology-Chemistry Oceanography Lab, Brest
5. Rémy Prud'homme, Emeritus Professor in Economics at University of Paris-Est, Former Deputy Director Environment, Directorate of OECD
6. Benoît Rittaud, Associate professor of Mathematics at University of Paris-Nord

7. Henri Voron, Retired Civil Chief Engineer, Specialized in Water Management, Lyon

### **Scientists and Professionals from Germany**

1. Fritz Vahrenholt, Professor (I.R.) am Institut für Technische und Makromolekulare Chemie der Universität Hamburg, Germany
2. Dietrich Bannert, Professor Honoris Causa, University of Marburg
3. Klaus Döhler, Professor of Pharma sciences, University of Hannover
4. Werner Kirstein, Emeritus Professor of Climatology, University of Leipzig, Germany
5. Stefan Kröpelin, Emeritus Professor of Geology, Free University of Berlin and University of Cologne, Specialized in Climate Change of the Sahara
6. Horst-Joachim Lüdecke, Professor of Operations Research (i.R.) HTW of Saarland, Saarbrücken, Germany

### **Scientists and Professionals from Ireland**

1. Jim O'Brien, Chair, Irish Climate Science Forum, Expert Reviewer IPCC AR6
2. Dr Anthony D. Barry, Honorary Fellow, Irish Academy of Engineering
3. Tony J. Carey, BA (Natural Sciences), Clare College, Cambridge
4. David Horgan, MA (Cambridge), MBA (Harvard), Resource Company Director
5. Seamus Hughes, BAgricSc, Specialist in Genetics
6. Ultan Murphy, Industry Science Professional
7. Owen O'Brien, Business Founder and Entrepreneur, MBA, DBA
8. J. Philip O'Kane, Emeritus Professor, School of Engineering, University College Cork
9. Peter O'Neill, Retired, School of Engineering, University College Dublin, Expert Reviewer of IPCC AR6
10. Fintan Ryan, Retired Senior Airline Captain, Fellow Royal Aeronautical Society
11. Dr Brian N. Sweeney, Founding Chairman of Science Foundation Ireland
12. Sean Tangney, Business Entrepreneur, Former Technical Director, CRH plc
13. David Thompson, BAgricSc, MA, Animal Nutritionist
14. Dr Edward Walsh, Former Chairman, Irish Council for Science, Technology and Innovation; Former Director, Energy Research Group, Virginia Tech, USA.

### **Scientists and Professionals from Italy**

#### **Organizers**

1. Uberto Crescenti, Professore Emerito di Geologia Applicata, Università di Chieti-Pescara, già Magnifico Rettore e Presidente della Società Geologica Italiana.
2. Giuliano Panza, Professore di Sismologia, Università di Trieste, Accademico dei Lincei e dell'Accademia Nazionale delle Scienze, detta dei XL, vincitore nel 2018 del Premio Internazionale dell'American Geophysical Union.

3. Alberto Prestininzi, Professore di Geologia Applicata, Università di Roma La Sapienza, già Scientific Editor in Chief della rivista internazionale Italian Journal of Engineering Geology and Environment e Direttore del Centro di Ricerca Previsione e Controllo Rischi Geologici (CERI), Sapienza Università di Roma.
  4. Franco Prodi, Professore di Fisica dell'Atmosfera, Università di Ferrara.
  5. Franco Battaglia, Professore di Chimica Fisica, Università di Modena; Movimento Galileo 2001.
  6. Mario Giaccio, Professore di Tecnologia ed Economia delle Fonti di Energia, Università di Chieti-Pescara, già Preside della Facoltà di Economia.
  7. Enrico Miccadei, Professore di Geografia Fisica e Geomorfologia, Università di Chieti-Pescara.
  8. Nicola Scafetta, Professore di Fisica dell'Atmosfera e Oceanografia, Università di Napoli.
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1. Antonino Zichichi, Professore Emerito di Fisica, Università di Bologna, Fondatore e Presidente del Centro di Cultura Scientifica Ettore Majorana di Erice.
  2. Renato Angelo Ricci, Professore Emerito di Fisica, Università di Padova, già Presidente della Società Italiana di Fisica e della Società Europea di Fisica; Movimento Galileo 2001.
  3. Aurelio Misiti, Professore di Ingegneria sanitaria-Ambientale, Università di Roma La Sapienza, già Preside della Facoltà di Ingegneria, già Presidente del Consiglio Superiore ai Lavori Pubblici.
  4. Antonio Brambati, Professore di Sedimentologia, Università di Trieste, Responsabile Progetto Paleoclima-mare del PNRA, già Presidente Commissione Nazionale di Oceanografia.
  5. Cesare Barbieri, Professore Emerito di Astronomia, Università di Padova.
  6. Sergio Bartalucci, Fisico, Presidente Associazione Scienziati e Tecnologi per la Ricerca Italiana.
  7. Antonio Bianchini, Professore di Astronomia, Università di Padova.
  8. Paolo Bonifazi, Astrofisico, ex Direttore dell'Istituto di Fisica dello Spazio Interplanetario (IFSI) dell'Istituto Nazionale Astrofisica (INAF).
  9. Francesca Bozzano, Professore di Geologia Applicata, Università di Roma La Sapienza, Direttore del Centro di Ricerca Previsione, Prevenzione e Controllo Rischi Geologici (CERI).
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  11. Paolo Budetta, Professore di Geologia Applicata, Università di Napoli.
  12. Monia Calista, Ricercatore di Geologia Applicata, Università di Chieti-Pescara.
  13. Giovanni Carboni, Professore di Fisica, Università di Roma Tor Vergata; Movimento Galileo 2001.
  14. Franco Casali, Professore di Fisica, Università di Bologna e Accademia delle Scienze di Bologna.
  15. Giuliano Ceradelli, Ingegnere e climatologo, ALDAI.
  16. Augusta Vittoria Cerutti, membro del Comitato Glaciologico Italiano.
  17. Domenico Corradini, Professore di Geologia Storica, Università di Modena.
  18. Fulvio Crisciani, Professore di Fluidodinamica Geofisica, Università di Trieste e Istituto Scienze Marine, Cnr, Trieste.
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  20. Antonio Mario Federico, Professore di Geotecnica, Politecnico di Bari.
  21. Mario Floris, Professore di Telerilevamento, Università di Padova.
  22. Gianni Fochi, Chimico, Scuola Normale Superiore di Pisa; giornalista scientifico.
  23. Mario Gaeta, Professore di Vulcanologia, Università di Roma La Sapienza.
  24. Giuseppe Gambolati, Fellow della American Geophysical Union, Professore di Metodi Numerici, Università di Padova.
  25. Rinaldo Genevois, Professore di Geologia Applicata, Università di Padova.

26. Carlo Lombardi, Professore di Impianti nucleari, Politecnico di Milano.
27. Luigi Marino, Geologo, Direttore del Centro di Ricerca Previsione, Prevenzione e Controllo Rischi Geologici (CERI)
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29. Paolo Mazzanti, Professore di Interferometria satellitare, Università di Roma La Sapienza.
30. Adriano Mazzarella, Professore di Meteorologia e Climatologia, Università di Napoli.
31. Carlo Merli, Professore di Tecnologie Ambientali, Università di Roma La Sapienza.
32. Alberto Mirandola, Professore di Energetica Applicata e Presidente Dottorato di Ricerca in Energetica, Università di Padova.
33. Renzo Mosetti, Professore di Oceanografia, Università di Trieste, già Direttore del Dipartimento di Oceanografia, Istituto OGS, Trieste.
34. Daniela Novembre, Ricercatore in Georisorse Minerarie e Applicazioni Mineralogiche-petrografiche, Università di Chieti-Pescara.
35. Sergio Ortolani, Professore di Astronomia e Astrofisica, Università di Padova.
36. Antonio Pasculli, Ricercatore di Geologia Applicata, Università di Chieti-Pescara.
37. Ernesto Pedrocchi, Professore Emerito di Energetica, Politecnico di Milano.
38. Tommaso Piacentini, Professore di Geografia Fisica e Geomorfologia, Università di Chieti-Pescara.
39. Guido Possa, Ingegnere nucleare, già Vice Ministro Viceministro del Ministero dell'Istruzione, Università e Ricerca, con delega alla ricerca.
40. Mario Luigi Rainone, Professore di Geologia Applicata, Università di Chieti-Pescara.
41. Francesca Quercia, Geologo, Dirigente di ricerca, Ispra.
42. Giancarlo Ruocco, Professore di Struttura della Materia, Università di Roma La Sapienza.
43. Sergio Rusi, Professore di Idrogeologia, Università di Chieti-Pescara.
44. Massimo Salleolini, Professore di Idrogeologia Applicata e Idrogeologia Ambientale, Università di Siena.
45. Emanuele Scalcione, Responsabile Servizio Agrometeorologico Regionale ALSIA, Basilicata.
46. Nicola Sciarra, Professore di Geologia Applicata, Università di Chieti-Pescara.
47. Leonello Serva, Geologo, già Direttore Servizi Geologici d'Italia; Accademia Europa delle Scienze e delle Arti, Classe V, Scienze Tecnologiche e Ambientali; Movimento Galileo 2001.
48. Luigi Stedile, Geologo, Centro di Ricerca Previsione, Prevenzione e Controllo Rischi Geologici (CERI), Università di Roma La Sapienza.
49. Giorgio Trenta, Fisico e Medico, Presidente Emerito dell'Associazione Italiana di Radioprotezione Medica; Movimento Galileo 2001.
50. Gianluca Valensise, Dirigente di Ricerca, Istituto Nazionale di Geofisica e Vulcanologia, Roma.
51. Corrado Venturini, Professore di Geologia Strutturale, Università di Bologna.
52. Franco Zavatti, Ricercatore di Astronomia, Università di Bologna.
53. Achille Balduzzi, Geologo, Agip-Eni.
54. Claudio Borri, Professore di Scienze delle Costruzioni, Università di Firenze, Coordinatore del Dottorato Internazionale in Ingegneria Civile.
55. Pino Cippitelli, Geologo Agip-Eni.
56. Franco Di Cesare, Dirigente, Agip-Eni.
57. Serena Doria, Ricercatore di Probabilità e Statistica Matematica, Università di Chieti-Pescara.
58. Enzo Siviero, Professore di Ponti, Università di Venezia, Rettore dell'Università e-Campus.
59. Pietro Agostini, Ingegnere, Associazione Scienziati e Tecnologi per la Ricerca

Italiana.

60. Donato Barone, Ingegnere.
61. Roberto Bonucchi, Insegnante.
62. Gianfranco Brignoli, Geologo.
63. Alessandro Chiaudani, Ph.D. agronomo, Università di Chieti-Pescara.
64. Antonio Clemente, Ricercatore di Urbanistica, Università di Chieti-Pescara.
65. Luigi Fressoa, Architetto urbanista, Perugia.
66. Sabino Gallo, Ingegnere nucleare e scrittore scientifico.
67. Daniela Giannessi, Primo Ricercatore, IPCF-CNR, Pisa.
68. Roberto Grassi, Ingegnere, Amministratore G&G, Roma.
69. Alberto Lagi, Ingegnere, Presidente di Società Ripristino Impianti Complessi Danneggiati.
70. Luciano Lepori, Ricercatore IPCF-CNR, Pisa.
71. Roberto Madrigali, Meteorologo.
72. Ludovica Manusardi, Fisico nucleare e giornalista scientifico, UGIS.
73. Maria Massullo, Tecnologa, ENEA-Casaccia, Roma.
74. Enrico Matteoli, Primo Ricercatore, IPCF-CNR, Pisa.
75. Gabriella Mincione, Professore di Scienze e Tecniche di Medicina di Laboratorio, Università di Chieti-Pescara.
76. Massimo Pallotta, Primo Tecnologo, Istituto Nazionale Fisica Nucleare.
77. Enzo Pennetta, Professore di Scienze Naturali e divulgatore scientifico.
78. Franco Puglia, Ingegnere, Presidente CCC, Milano.
79. Nunzia Radatti, Chimico, Sogin.
80. Vincenzo Romanello, Ingegnere nucleare, Ricercatore presso il Centro Ricerca di Rez, Repubblica Ceca.
81. Alberto Rota, Ingegnere, Ricercatore presso CISE e ENEL ed esperto di energie rinnovabili.
82. Massimo Sepielli, Direttore di Ricerca, ENEA, Roma.
83. Ugo Spezia, Ingegnere, Responsabile Sicurezza Industriale, SoGIN; Movimento Galileo 2001.
84. Emilio Stefani, Professore di Patologia vegetale, Università di Modena.
85. Umberto Tirelli, Visiting Senior Scientist, Istituto Tumori d'Aviano; Movimento Galileo 2001.
86. Roberto Vacca, Ingegnere e scrittore scientifico.
87. Giorgio Bertucelli, Ingegnere, già Dirigente Industriale, Associazione Lombarda Dirigenti Aziende Industriali.
88. Luciano Biasini, Professore Emerito, già Docente di Calcoli numerici e grafici, Direttore dell'Istituto Matematico e Preside della Facoltà di Scienze Matematiche, Fisiche e Naturali dell'Università di Ferrara.
89. Giampiero Borrielli, Ingegnere.
90. Antonio Maria Calabò, Ingegnere, Ricercatore, Consulente.
91. Enrico Colombo, Chimico, Dirigente Industriale.
92. Stefano De Pieri, Ingegnere energetico e nucleare.
93. Benedetto De Vivo, Professore di Geochimica in pensione dall'Università di Napoli; ora Professore Straordinario presso Università Telematica Pegaso, Napoli.
94. Carlo Del Corso, Ingegnere Chimico.
95. Francesco Dellacasa, Ingegnere, amministratore di società nel settore energetico.
96. Sergio Fontanot, Ingegnere.
97. Umberto Gentili, Fisico dell'ENEA, Climatologo per il Progetto Antartide.
98. Ettore Malpezzi, Ingegnere.
99. Alessandro Martelli, Ingegnere, già dirigente ENEA.
100. Umberto Minopoli, Presidente dell'Associazione Italiana Nucleare.
101. Antonio Panebianco, Ingegnere.
102. Giorgio Prinzi, Ingegnere, Direttore responsabile della rivista 21mo Secolo Scienza e tecnologi

103. Arnaldo Radovix, Geologo, Risk Manager in derivati finanziari.
104. Mario Rampichini, Chimico, Dirigente Industriale in pensione, Consulente.
105. Marco Ricci, Fisico, Primo Ricercatore, Istituto Nazionale di Fisica

## **Scientists and Professionals from The Netherlands**

1. Guus Berkhout, Emeritus Professor of Geophysics, Delft University of Technology, Member of the Royal Netherlands Academy of Arts and Sciences
2. Maarten van Andel, Author of the 'Groene Illusie'
3. André Bijkerk, Geophysicist, Former Royal Dutch Airforce, now Climate Researcher
4. Peter Bloemers, Emeritus Professor of biochemistry, Radboud University, Nijmegen
5. Paul M.C. Braat, Emeritus Professor of Pulmonary Physics, University of Amsterdam
6. Solke Bruin, Emeritus Professor of Product-driven Process Technology, University of Eindhoven, and Former member Management Committee Unilever Research, Vlaardingen
7. Paul Cliteur, Member of the Senate of The Netherlands
8. Marcel Crok, Climate Researcher and Science Journalist
9. David E. Dirkse, Former Computer Engineer and Teacher Mathematics
10. Kees de Groot, Former Director Upstream Research Lab. Shell
11. Kees de Lange, Emeritus Professor of Physics, Vrije University Amsterdam and University of Amsterdam
12. Louw Feenstra, Emeritus Professor Erasmus University and philosopher, Rotterdam
13. Leo Halvers, Former Director Biliton Research Arnhem and former Director technology Foundation STW
14. Eduard Harinck, Former Logistics Expert, Nedlloyd Group/KPMG consulting
15. J.R. Hetzler, Forestry Economics and Time Series Modeling
16. Jan F. Holtrop, Emeritus Professor of Petroleum Engineering, Delft University of Technology
17. A. Huijser, Physicist and Former CTO Royal Philips Electronics
18. W. J. (Wouter) Keller, Emeritus Professor of Statistical Methods, Former Member Board of Directors, Central Bureau of Statistics (CBS)
19. Jacques van Kerchove, Economist and Marketeer, Former CFO Rabobank, now Climate and Environment researcher
20. R.W.J. Kouffeld, Emeritus Professor of Energy Conversion, Delft University of Technology
21. Hans H.J. Labohm, Former Expert Reviewer IPCC
22. Kees le Pair, Physicist, Former Director of Research organisations FOM and Technology & former member of the General Energy Council, The Netherlands
23. B.G. Linsen, Former Director Unilever Research Vlaardingen, The Netherlands
24. Pieter Lukkes, Emeritus Professor of Economic and Human Geography, University of Groningen
25. Hugo Matthijssen, Former Teacher Meteorology, now Publicist on Climate Matters
26. Simon Middelhoek, Emeritus Professor of Electronic Instrumentation and Sensors, Delft University of Technology, Member of the Royal Netherlands Academy of Arts and Sciences and Member of the National Academy of Engineering, USA
27. J.M. Mulderink, Former General Director Akzo-Nobel

28. Rob Nijssen, Radar Engineer and Publicist on Climate Matters
29. Leffert Oldenkamp, Expert Forest Management
30. Peter Oosterling, Former Scientist E & P Shell, now active as Climate Researcher
31. Kees Pieters, Mathematician; Former Operational Research and ICT manager at Shell
32. Reynier Pronk, Former IT Manager, Accredited Project Management Consultant and Trainer
33. G.T. Robillard, Emeritus Professor of Biochemistry and Biophysics
34. Arthur Rörsch, Former Member Board of Directors, TNO, The Netherlands
35. Don Schäfer, Former Director Shell Exploration & Production and New Business, Shell
36. Frans Schrijver, Strategy Consultant and Climate Publicist
37. Jos de Smit, Emeritus Professor of Stochastic Operations Research and Former Rector Magnificus of the University of Twente
38. Albert Stienstra, Emeritus Professor of Computer Simulation and Micro-Electronics, Delft University of Technology
39. P.J. Strijkert, Former Member Board of Directors of DSM, Delft, The Netherlands
40. Dick Thoenes, Emeritus Professor of Chemical Technology, Technical University of Eindhoven
41. Fred Udo, Emeritus Professor of Nuclear Physics, Vrije Universiteit Brussels, Belgium
42. J.F. van de Vate, Former Director ECN, Petten, The Netherlands. Former UN Delegate IPCC.
43. Frans van den Beemt, Nuclear Physicist, Former Program Director Technology Foundation STW
44. Rutger van Santen, Emeritus Professor of Anorganic Chemistry and Catalysis, Former Rector Magnificus, Eindhoven University
45. Barend-Jan Smits, Geologist, Former Director of Wintershall Nederland, BASF Group
46. Hans van Suijdam, Former Executive Vice President Research and Development DSM, The Netherlands
47. Peter van Toorn, Former Research Geophysicist Shell
48. Jannes J. Verwer, Former CEO Large Electricity Generation Group and Former Chairman Supervisory Board State Owned Radio Active Waste Storage Facilities, The Netherlands
49. Henk van der Vorst, Emeritus Professor of Numerical Mathematics, University of Utrecht
50. Jaap van der Vuurst de Vries, Emeritus Professor of Petroleum Engineering, Former Dean Faculty of Applied Earth Sciences, Delft University of Technology
51. Karel Wakker, Emeritus Professor of Astrodynamics & Geodynamics, Delft University of Technology
52. Cyril Wentzel, Multi-Physics Engineer and Chairman of Environmental Think Tank 'Groene Rekenkamer'
53. W.J. Witteman, Professor of Applied Physics and CO2 lasers, University of Twente
54. Theo Wolters, Co-founder 'Groene Rekenkamer' and 'Climategate.nl'

### **Scientists and Professionals from Norway**

1. Morten Jødal, Biologist, Former Employee of the Norwegian Research Council and the Centre for the Development and Environment at the University of Oslo
2. Willy Nerdal, professor of Chemistry, University of Bergen

3. Martin Torvald Hovland, Geophysical and Geological Advisor, Former Lecturer at University of Tromsø
4. Hakon Gunnar Rueslatten, Geological Researcher, Trondheim
5. Jan-Erik Solheim, Emeritus professor Astrophysics, University of Oslo

### **Scientists and Professionals from Poland**

1. Jaroslaw Grzesik, Chairman of the National Secretariat of Mine and Energy Workers' Union NSZZ
2. Dominik Kolorz, Chairman of the Slasko-Dabrowski Region of NSZZ

### **Scientists and Professionals from Sweden**

1. Sture Åström, professional in climate issues, secretary of the Swedish network Klimatsans
2. Rolf Bergman, Emeritus Professor of Physical Chemistry, Uppsala University
3. Per-Olof Eriksson, Physicist, Former CEO of Sandvik Group
4. Hans Jelbring, Climate researcher
5. Claes Johnson, Emeritus Professor of Mathematics at Royal Institute of Technology, Stockholm
6. Gunnar Juliusson, Professor of Hematology, Lund University, Senior Consultant, Skåne University Hospital, Lund
7. Sten Kaijser, Emeritus Professor of Mathematics, Uppsala University
8. Nils-Axel Mörner, Emeritus Professor Geology, President of the Independent Committee on Geoethics. Former head of Paleogeophysics & Geodynamics at Stockholm University
9. Ingemar Nordin, Emeritus Professor Philosophy of Science, Linköping University
10. Gösta Pettersson, Emeritus Professor in Biochemistry, University of Lund
11. Marian Radetzki, Emeritus Professor of Economics, Luleå University of Technology
12. Peter Stilbs, Emeritus Professor of Physical Chemistry, Royal Institute of Technology (KTH), Stockholm

### **Scientists and Professionals from Switzerland**

1. Jean-Claude Pont, Dr. Math., Emeritus Professor of The History of Philosophy of Sciences, University of Genève
2. Jef Ongena, Member of the Permanent Monitoring Panel for World Energy, World Federation of Scientists, Geneva

### **Scientists and Professionals from Russian Federation**

1. Habibullo Abdussamatov, Head of the Space Research Sector of the Sun, Pulkova Observatory RAS and Head of the Lunar Observatory Project on Monitoring of the Climate, Russian Federation

### **Scientists and Professionals from United Kingdom**

1. David Bodecott, Consultant Geophysics and Geology, Fellow of the Geological Society of London

2. D. Q. Bowen, Emeritus Professor of Earth and Ocean Sciences, Fellow International Union for Quaternary Research, Cardiff University
3. Michael Brown, Expert in large scale thermal fluid dynamic models.
4. John C. W. Cope, Professor of Natural Sciences, National Museum Wales, Cardiff
5. Howard Dewhurst FGS, Geologist, Initiator Open Letter to the Geological Society of London
6. Gregor Dixon FGS, Geologist, former member Geological Society of London
7. Roderick Paul Eaton, Retired Energy Systems Analyst from the UK Electricity Supply Industry
8. Peter Gill, Physicist, Former Chair of the Institute of Physics Energy Group, UK
9. Gil Gilchrist, Geophysicist, UK
10. Tim Harper FGS, Geologist, Entrepreneur, Devon
11. Bob Heath, retired Geophysicist, Honorary member of the Indian Society of Petroleum Geologists
12. David A. L. Jenkins, Geologist, Director Hurricane Energy plc
13. Chris Matchette-Downes, Geologist, fellow of the geological Society of Gt Britain
14. Edward Nealon, Geologist Member of the Australian Institute of Mining & Metallurgy, UK
15. Peter Owen FGS, Fellow of the Geological Society of London
16. Clive Randle, Geologist, Fellow of the Geological Society of London
17. Michael F. Ridd, Geologist, Fellow of the Geological Society of London
18. Michael Seymour, geologist, Former Managing Director Aurelian Oil & Gas and Trajan Oil limited
19. Valentina Zharkova, Professor of Mathematics and Astrophysics, Northumbria University, Newcastle upon Tyne

## **SCIENTISTS FROM OUTSIDE THE EU:**

### **Scientists and Professionals from Australia**

1. David Archibald, Research Scientist, Australia
2. Jeremy Barlow, Energy and Mining professional, Director and CEO, Australia
3. Colin Barton, Geologist, Former Principal Research Scientist CSIRO, Australia
4. Gordon Batt, Director GCB Investments Pty Ltd
5. Robert M. Bell, Retired geologist, Victoria, Australia
6. Richard Blayden Professional Engineer
7. Howard Thomas Brady, Member Explorers Club of New York, Member of the Australian Academy of Forensic Sciences
8. Geoff Brown, Organizer of a Critical Climate Group, Australia
9. Douglas Buerger, Fellow Australasian Institute of Mining and Metallurgy, member of Australian Institute of Comapany Directors, Australia
10. Mike Bugler, Retired Environmental Consultant, Australia
11. Ray Carman, Organic chemist, Honorary Fellow University of Queensland, Australia
12. Peter Champness, Radiologist, Australia

13. Andrew E. Chapman, Expert on Rainfall and flood events, Australia
14. Majorie Curtis, Retired geologist, stratigrapher and palaeoclimatic studies, Canberra, Australia
15. Aert Driessen, Geologist, Fellow Australian Institute of Geoscientists, Australia
16. John A. Earthrowl, retired Geologist, Brisbane Australia
17. Jeremy K. Ellis, Retired Chairman of BHP, now Chairman of the Saltbush Club, Australia
18. Matthew J. Fagan, Founder and President of FastCAM Inc.
19. Viv Forbes, Geologist with Special Interest in Climate, Founder of www. carbon-sense.com, Queensland, Australia
20. Rodney Fripp, former lecturer in geology, geochemistry and geotectonics
21. Christopher J.S. Game, Retired Neurophysiologist, Australia
22. Robin George, Geologist, Canterbury, Australia
23. Gavin Gillman, Former Senior Principal Research Scientist with CSIRO Australia; Founding Director of the IITA Ecological Research Centre in Cameroon for the International Institute for Tropical Agriculture (IITA)
24. Hamish Grant, MR Spectroscopy & Imaging Consultant, Victoria, Australia
25. Lindsay Hackett, Founding member of the Saltbush Club in Australia
26. Erl Happ, Managing Director, Australia
27. John Happs, Geoscientist, Retired University Lecturer, Australia
28. John Harrison, Retired Marine Engineer, Australia
29. Jarvis Hayman, Visiting Fellow School of Archaeology & Anthropology, Australian National University
30. Mark Henschke, Retired geologist in mining, oil and gas, Australia
31. Gerhard Hofmann, Geologist and Palaeontologist, former Director of the Geological Survey of Queensland
32. Geraint Hughes, Mechanical Building Engineer, Climate Researcher, Australia
33. Kevin Kemmeis, Expert in Information Technology, Climate Researcher
34. Hugh H. Laird, Retired Tropical Agriculture Executive
35. John Leisten OBE, expert in physical chemistry
36. Brian Levitan, worked for NASA, now Technology Consultant to multinationals
37. Matthew David Linn, Fellow of the Institution of Engineers of Australia
38. Gerard McGann, Technical Director Eon NRG
39. Rodney McKellar, Retired Geologist, Queensland, Australia
40. Ross McLeod, Retired Environmental Health Officer, Australia
41. Finlay MacRitchie, Professor Emeritus in the Department of Grain Science and Industry at Kansas State University, USA. Australia
42. John Michelmore, Retired Industrial Chemist, South Australia
43. Des Moore, Former Deputy Secretary of the Federal Treasury, founder and leader of the Institute for Private Enterprise
44. Hugh Morgan, prominent Australian mining executive, Fellow of the Australian Academy of Technology, Science and Engineering (FTSE).

45. Clifford Ollier, Emeritus Professor of Geology and Honorary Research Fellow at the School of Earth and Geographical Sciences, University of Western Australia
46. Tom Quirk, Nuclear Physicist, Australia
47. Campbell Rankine, Barrister and Solicitor, Australia
48. Nigel Rowlands, retired from mining and exploration industry
49. Judy Ryan, Editor Principia Scientific Institution-Australia
50. Case Smit, Physicist and Expert in Environmental Protection, Co-founder of the Galileo Movement, Australia
51. Darren Speirs, Independent Business Owner, Rangeland NRM Consultants, Australia
52. Geoffrey Stocker, Professor and Head of Department of Forestry, PNG University of Technology – Director of PNG Forest Research Institute
53. Rodney R. Stuart, Retired expert in energy industry, Tasmania, Australia
54. Rustyn Wesley Thomas, Retired aircraft engineer, Australia
55. John W. Turner, Science Educator, Noosa Heads, Australia
56. Peter Tyrer, Project Controls Engineer in mining industry, Australia
57. Terrence Vincent, Security Engineer, Small Business Adviser AIST, ASIAL, SMBE, Australia
58. James Walter, Medical doctor, Australia
59. John Warnock, Astro Economist, Australia
60. Christopher Kenneth Warren, Expert in hydroelectric dam design and construction, Australia
61. Neil Wilkins, Retired geologist, Australia
62. P.C. Wilson, Former journalist with the A.B.C. Queensland, Australia

### **Scientists and Professionals from Canada**

1. Jeffrey Ernest Foss, Professor of Philosophy of Science, University of Victoria, Canada
2. Alain Bonnier, Physicist, INRS-Centre de Recherche and Energy Montréal, Canada
3. Ian Clark, Professor of Earth and Environmental Sciences, University of Ottawa
4. Susan Crockford, Zoologist and Polar Bear Expert, Former Adjunct Professor University of Victoria, Canada
5. Klaus K.E. Kaiser, Retired Research Scientist, National Water Research Institute, Author of Numerous Press Articles, Canada
6. Madhav Khandekar, Expert Reviewer IPCC 2007 AR4 Cycle, Canada
7. Kees van Kooten, Professor of Economics and Canada Research Chair in Environmental Studies and Climate, University of Victoria, Canada
8. Allen MacRae, retired Engineer, Canada
9. Paul MacRae, Independent Climate Researcher, Canada
10. Patrick Moore, Ecologist, Chair CO2 Coalition, Co-Founder Green Peace, Canada
11. Brian R. Pratt, Professor of Geological Sciences, University of Saskatchewan
12. Peter Saloni, Retired Research Scientist, Natural Resources, Canada

13. Ian Semple, Retired Geologist, of McGill University, Canada
14. William van Wijngaarden, Professor of Physics, York University, Canada
- 15.

### **Scientists and Professionals from China and Hong Kong**

2. NG Young, Principal Geoscientist, Danxiashan Global Geopark of China
3. Wyss Yim, Retired Professor, Department of Earth Sciences, The University of Hong Kong, Hong Kong SAR, China / Deputy Chairman, Climate Change Science Implementation Team, UNESCO International Year for Planet Earth 2007-2009 / Expert Reviewer IPCC AR2

### **Scientists and Professionals from India**

1. Sanjeev Sabhlok, Economist with focus on climate and energy policy, India

### **Scientists and Professionals from Japan**

1. Masayuki Hyodo, Professor of Earth Science, Kobe University, Japan

### **Scientists and Professionals from New Zealand**

1. Deborah Alexander, Agricultural Scientist, New Zealand
2. Jock Allison, retired Agricultural Scientist, Ministry of Agriculture, New-Zealand
3. Barry Brill, OBE, Previously Minister of Science and Techology, New Zealand
4. Terry Dunleavy MBE, co-founder (2006) and honorary secretary, New Zealand Climate Science Coalition
5. Doug Edmeades, Managing Director agKnowledge Ltd., New Zealand
6. Roger High Dewhurst, Retired, geologist/hydrogeologist, New Zealand
7. Geoffrey G. Duffy, Professor Emeritus, University of Auckland, New Zealand
8. Joe Fone, CAD Engineer, Enatel Ltd
9. Gerrit J. van der Lingen, Paleoclimatologist, New Zealand, Author of the Book *The Fable of Stable Climate*
10. John Scarry ME (Civil), structural engineer, member of the New Zealand Climate Science Coalition
11. John Sexton, Member of the New Zealand Climate Coalition
12. Philip Strong, Science Research Leader & Member of the New Zealand Climate Coalition
13. Richard Treadgold, Executive Member NZ Climate Scienc Coalition, Convenor Climate Conversation Group

### **Scientists and Professionals from Russian Federation**

1. Habibullo Abdussamatov, Head of the Space Research Sector of the Sun, Pulkova Observatory RAS and Head of the Lunar Observatory Project on Monitoring of the Climate, Russian Federation

## **Scientists and Professionals from South-Africa**

1. John Ledger, Visiting Professor at the University of the Witwatersrand, Energy and Environmental Consultant
2. Don Mingay, Retired Professor of Nuclear Physics, South Africa

## **Scientists and Professionals from USA**

1. Ralph B. Alexander, Emeritus Professor of Physics, Science Writer
2. Anthony J. Armini, Retired Founder and CEO Implant Sciences Corp., USA
3. Tim Ball, Emeritus Professor Geography, University of Winnipeg, Canada and Advisor of the International Science Coalition
4. Hans-Peter Bär, Emeritus Professor of Pharmacology, Canada and Former Dean of Basic Medical Sciences, American University of Barbados, Barbados
5. James R. Barrante, Emeritus Professor of Physical Chemistry, USA
6. Charles G. Battig, Climate Adviser, Heartland Institute, USA
7. Larry Bell, Endowed Professor of Space Architecture, University of Houston, USA
8. Daniel Botkin, Emeritus Professor of Biology, Climate Researcher, Author of the Book: *Twenty-five Myths That Are Destroying the Environment*, USA
9. Martin Cornell, Retired Senior Scientist, Dow Chemical Company, USA
10. Joseph S. D'aleo, Professor of Meteorology and Climatology at Lyndon Stage College, Founder of Icemap.us, First Director of meteorology of the Weather Channel, USA
11. David Deming, Professor of Arts & Sciences, University of Oklahoma, USA
12. Harold H. Doiron, Retired NASA Engineer, USA
13. John Droz jr, Physicist, Founder of AWED Alliance, USA
14. Freeman Dyson, Emeritus Professor Natural Sciences, Institute of Advanced Study, Princeton University, USA
15. Peter Farrell, Fellow of the US National Academy of Engineering, USA
16. Rex Fleming, Research Scientist, Author of Book on Carbon Dioxide Fallacy, Retired President Global Aerospace, USA
17. Gordon J. Fulks, Astrophysicist, Board of Directors CO2 Coalition, Co-founder Global Warming Realists
18. Terry Gannon, Physicist, Retired Semiconductor Executive, USA
19. Ulrich H. Gerlach, Professor of Mathematics, Ohio State University, USA
20. Laurence I. Gould, Professor of Physics, University of Hartford, Past Chair, New England Section of the American Physical Society.
21. Seve Goreham, Executive Director, Climate Science Coalition of America, USA
22. David Heald, Retired Electrical Engineer, USA
23. Howard C. Hayden, Emeritus Professor of Physics, University of Connecticut, USA
24. Wayne P. Kraus, Member American Institute of Chemical Engineers (AIChE)
25. Richard Lindzen, Emeritus Professor Atmospheres, Oceans and Climate, MIT, USA
26. Patrick J. Michaels, Competitive Enterprise Institute, Washington DC, USA
27. Pamela Matlack-Klein, Member of Portuguese Sea Level Project, USA

28. Richard McFarland, Retired NASA Physicist, USA
29. Daniel W. Nebert, Professor Emeritus, Department of Environmental Medicine and Center for Environmental Genetics, University of Cincinnati
30. Thomas O'Connor, Member American Association of Petroleum Geologists, Washington, USA
31. Herman A. Pope, retired Aerospace Engineer NASA-JSC, USA
32. Willem Post, Independent Researcher regarding Energy and Environment
33. Phil Robinson, Retired Chemist in the Aluminium and Steel Industry
34. Jim Simpson, Retired from Managing Positions in different International Telecommunications Firms, now active in the Australian Climate Community,
35. Willie Soon, Independent Scientist, USA
36. Ronald Stein, Professional Engineer, USA
37. Paul Taylor, Energy Economist, recipient Rossitor Raymond Award, Golden Colorado, USA
38. Richard Trzupek, Chemist and Air Quality Expert
39. William B. Walters, Guggenheim Fellow, Professor of Atmospheric, Nuclear and Environmental Chemistry, University of Maryland, USA
40. Steven E. Weismantel, Retired Engineer and Climate Researcher, USA
41. Gregory R. Wrightstone, Expert Reviewer IPCC 6<sup>th</sup> Assessment Report (AR6), USA
42. David Wojick, Cognitive Scientist, USA
43. Thomas Wysmuller, Retired NASA Executive, USA
44. Bob Zybach, Program Manager, Oregon Websites and Watersheds Project INC., USA

## **ED Ambassadors**

Professor Guus Berkhout	(The Netherlands)
Viv Forbes	(Australia)
Professor Jeffrey Foss	(Canada)
Morten Jødal	(Norway)
Professor Richard Lindzen	(USA)
Jim O'Brien	(Republic of Ireland)
Professor Alberto Prestininzi	(Italy)
Professor Fritz Vahrenholt	(Germany)
Rob Lemeire	(Belgium)
Professor Benoît Ritaud	(France)
Terry Dunleavy	(New Zealand)